

ATTY. DOCKET NO.: EEC-TWUL-P2

3. (Amended) A method according to claim 1 [or 2],
wherein the signals are audio signals.

A1
4. (Amended) A method according to [any preceding]
claim 1, wherein the at least one filter includes a first
filter for suppressing frequencies which do not exhibit a
sufficient degree of coherence.

A2
6. (Amended) A method according to [any preceding]
claim 1, wherein the at least one filter includes a second
filter for identifying regions in the frequency spectrum of a
cross correlation function likely to exhibit a correlated
phase between adjacent frequencies in its Fourier Transform.

A3
8. (Amended) A method according to claim 6 [or 7],
[including] further comprising calculating the time delay
between the common signal in the input signals by tracking the
phase difference between the input signals as a function of
frequency using the second filter.

9. (Amended) A method according to claim 6 [to 8],
[including] further comprising calculating variations in the
time delay between the common signal in the input signals as a
function of frequency using the second filter.

10. (Amended) A method according to [any preceding]
claim 6, [including] further comprising using a third filter
to remove frequencies which do not have sufficient amplitude.

A4
12. (Amended) A method according to [any preceding]
claim 1, wherein the at least one filter includes a fourth

A4
cont

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filter for compensating the input signals for dispersion effects.

A5

15. (Amended) An apparatus [Apparatus] according to claim 13 [or 14], wherein the signals are audio signals.

16. (Amended) An apparatus [Apparatus] according to [any of claims] claim 13 [to 15], wherein the at least one filter includes a first filter for suppressing frequencies which do not exhibit a sufficient degree of coherence.

A6

18. (Amended) An apparatus according to [any of claims] claim 13 [to 17], wherein the at least one filter includes a second filter for identifying regions in the frequency spectrum of a cross correlation function likely to exhibit a correlated phase between adjacent frequencies in its Fourier Transform.

A7
cont

20. (Amended) An apparatus according to claim 18 [or 19], including calculating the time delay between the common signal in the input signals by tracking the phase difference between the input signals as a function of frequency using the second filter.

21. (Amended) An apparatus according to [any of claims] claim 18 [to 20], including calculating variations in the time delay between the common signal in the input signals as a function of frequency using the second filter.

22. (Amended) An apparatus according to [any of claims] claim 13 [to 21], including a third filter to remove